Lenco

Sportcam-100

USER MANUAL

For information and support, www.lenco.com
www.lencosportcam.com

Functions

Thank you for purchasing this video camera. The high-performance chip is adopted for this product which has such advantages as high definition of video, strong in continuity of dynamic pictures, supporting the video format AVI and taking clear pictures. The unique ultra portable design is adopted for this video camera and it is applicable in various fields to enable your daily life convenient, safe and colorful. Make sure to read this manual carefully and keep properly for reference in the future.

This user's manual has referred to the latest information during compiling. The screen display and illustrations are used in this user's manual for the purpose of introducing details of this digital camera in a more specific and direct way. Difference may arise between these displays and illustrations and the digital camera actually available for you due to difference in technological development and production batch, under which case, the actual functions of this video camera shall prevail.

Announcements

Please read the Announcements carefully before using this video camera for proper and safe operation, so as to bring its optimum performance into play and extend its service life.

- Do not expose the video camera to sunshine directly, nor point its lens to sunlight.

Otherwise, the image sensor of the video camera may be damaged.

- Take good care of the video camera and prevent water or sand particles from entering the video camera when it is used on the beach or near water, because water, sand particles, dust or component containing salt may damage the video camera.
- Keep the video camera contaminated free of dust and chemical materials. Place it in a cool, dry and well ventilated place. Do not place the video camera in a high temperature, moist or dusty place to avoid failure of the video camera.
- Be sure to use the video camera regularly during its long time storage. Please check if the video camera can operate normally before use.
- If dirt or stain is accumulated on the video camera or on its lens, use soft, clean and dry rag to wipe it away gently. If the video camera or its lens is stained with sand particles, blow them away gently. Do not use cloth to wipe arbitrarily. Otherwise, it may scratch the surface of video camera or its lens.
- If it is required to clean camera surface, firstly blow away the sand dust accumulated on this surface, and then wipe the camera gently with rag or tissue applicable to optical equipments. Please use the cleaning agent of video camera for wiping if necessary. Do not use organic solvent to clean the video camera.
- Do not touch the lens surface with fingers.

- Please back up the data if the memory card inside this digital camera is used for the first time. After that, format the memory card of this video camera at one time.
- The externally installed memory–cards are manufactured from precise electronic components. Data may be lost or damaged under the following circumstances:
  1. Improper use of the memory card
  2. The memory card is bent, dropped or collided.
  3. Place it under high temperature or moist environment or expose to sunshine directly.
  4. Electrostatic or electromagnetic field exists around the memory card.
  5. This memory card is taken out or power supply is interrupted when this camera or computer is connected to the memory card (i.e. during reading, writing and formatting).
  6. Touch the metal contact surface of the memory card with fingers or metal materials.
  7. The service life of the memory card expires (please replace the memory card regularly).

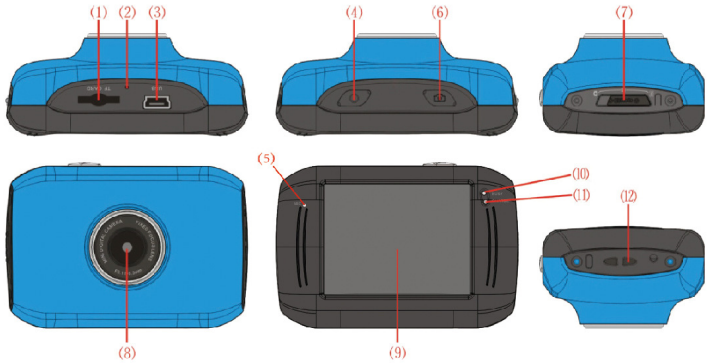
Product Introduction

- This product is small in and ease for installation.
- The high-performance chip is adopted for this product which has such advantages as high definition of video, strong continuity of dynamic pictures, video recording available under low illumination level and supporting video format of AVI.
- Camera shooting can support VGA (640 x 480) and HD (1280 x 720) modes.
- Dimensions of 5M, 3M and 1M are available for taking pictures.
- This product supports the watermark function for time and date and the videotape can display current time and date synchronously.
- Support high-speed USB2.0
- Support SD card of 32G to a maximum.
- The recording mode of circulating coverage is adopted for this product, which can cover original pictures with new ones to keep rolling record in cycles.
- This product supports the video output and the in-situ playback function. The recorded video contents may be inquired on the spot via vehicle-mounted displayer. Meanwhile, it supports the television and computer playback.

System Requirements

System Requirements	
Operating System	Microsoft Windows2000, XP, Vista, 7
CPU	Intel Pentium III of more than 800MHz or other CPU with equivalent performance
Internal Memory	Larger than 512MB
Sound Card and Display Card	The sound card and display card shall support DirectX8 or higher version.
CD Driver	Speed of 4 times or faster
Hard Disk	Free space of more than 500MB
Others	One standard USB1.1 or USB2.0 port

Introduction to Appearance and Keypad



1. TF card
2. Reset
3. USB
4. Key for Startup/shutdown
5. MIC
6. Shutter Key
7. Mode Switch:
   - Taking Pictures
   - Video Recording
   - Vehicle-mounted
   - Mode
8. Lens
9. LCD TFT
10. Working Indicator Light
11. Indicator Light for charging
12. Lanyard hole

Usage

1. Charge the built-in lithium battery

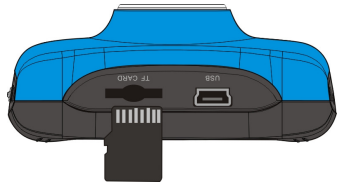
Connect the camera with computer for charging in the shutdown state. The indicator light for charging is on at this time and will be off after charging. In general, it can be fully charged after 2-4 hours.

2. Use of Memory Card

1. Push the TF card into the card slot according to the concave lettering beside the slot

of memory card till it is completely inserted.

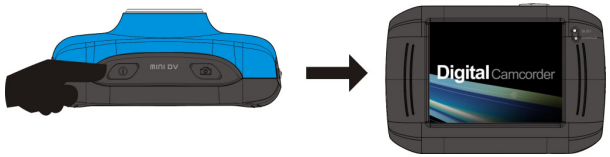
2. To take out the TF card, gently press the end of the memory card inward and it will pop up.



Note: No built-in memorizer is available in this video camera. Make sure to insert memory card before using.

3. Startup/Shutdown

3.1 Startup: Press the POWER Key, the screen is displayed and the camera enters the startup state.



3.2. Shutdown: Press the POWER Key once under idle condition, and the camera will be shut down. .

Automatic shutdown: when the idle time of the video camera reaches the time for automatic shutdown, it will be shut down automatically to save power. The default time of this camera for automatic shutdown is 5 minutes.

3.3. Shutdown in case of power shortage: when the power of the battery is insufficient, the LCD display screen will display the icon. Please charge it in time. When the icon turns into red and flickering, the video camera will be shut down automatically.

4. Conversion between Function Modes

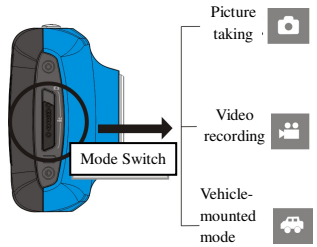
Three modes are available for this video camera, i.e. picture taking mode, video recording mode and vehicle-mounted mode. Conversion is available via the mode switch after startup.

Picture taking mode: pictures can be taken;

Video recording mode: video can be recorded;

Vehicle-mounted mode: videotape can be recorded.

(one section every 5 minutes)



5. Indicator light

Busy light: when the camera is busy (such as, recording a film, taking photos, automatic off-screen), the busy light will be on.

Charging light: when the light is on for a long time, it prompts the user that the camera is charging.

6. Video recording mode

When the mode switch is turned to video mode, press the shutter button once or click the LCD center once to begin videoing under previewing state; press the shutter button once again if you want to stop videoing, and the camera will also stop videoing automatically when the memory card is full or the power is insufficient during videoing period:

1 **00:12:18:** Timer means that videoing can still last for 12 minutes and 18 seconds.

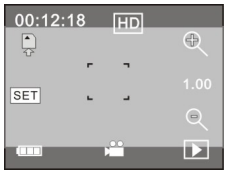
2 : mode icon represents that the camera is in videoing and recording mode at present.

3 : video size, clicks this icon and you can choose 720P/VGA.

4 : means that the memory card is inserted at present.

5 : digital zoom icon, click it and enlarge it.

6 : digital zoom icon, click and minify it.



7 : visual shutter, click this icon for taking photos or recording.

8 : battery icon represents the present power of the battery.

9 : represents digital zoom times.

10 : click this icon to switch to the playback mode.

11 SET : click this icon to set the date and time, finished setting and press Shutter key to confirm.

7 Photo mode:

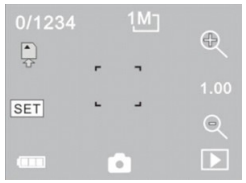
Switch the mode switch into the photo mode, press the shutter button or click the LCD center once under the previewing state to take a photo:

1 **0/1234:** Counter, indicating current number of photos taken already /number of photos to be taken.

2 : mode icon, indicating that the camera is in photo taking mode at current.

3 : photo size, click this icon to select 1M/3M/5M.

4 : means that the memory is been inserted at present.



5 : digital zoom icon, click it to enlarge.

6 : digital zoom icon, click it to minify.

7 : visual shutter, click this icon for taking photos or videoing.

8 : battery icon, indicates the power of the battery at present.

9 : indicates digital zooming times.

10 : click this icon to switch to the playback mode.

11 SET : click this icon to set the date and time, finished setting and press Shutter key to confirm.

8 Vehicle-mounted mode:

Turn the mode switch to vehicle-mounted mode, press the shutter button or click the LCD center once under the preview state to begin recording, save a segment for recording every 5 minutes, then start to record the next segment of video. When the storage card is full, the earliest segment of video will be deleted to release the corresponding space for continuous recording, and so the cycle.

1 00:12:18 timer, indicating that the camera can still record for 12 minutes and 18 seconds.

2 : mode icon, representing that the camera is in vehicle-mounted mode at present.

3 : video size, click this icon to select 720P/VGA.

4 : represents that the memory card is been inserted at present.

5 : digital zoom icon, click it to enlarge.

6 : digital zoom icon, click it to minify.

7 : visual shutter, click it for taking photos and recording.

8 : battery icon, representing the current power of the battery.

9 : indicates the digital zooming times.

10 : click this icon to switch into the playback mode.

11 SET : click this icon to set the date and time, finished setting and press Shutter key to confirm.

Note: the screen will be off automatically during recording process in order to save power; user can press the power button shortly to start the screen and restore display.

9 Playback mode:

9.1 After starting up and entering the previewing state, click the playback icon ( ) at the lower right corner of the LCD to switch to the playback mode:

Click

1 AVI : represents that the current file is an AVI video file.

2 1/1 : represents that there is one file in the current folder/one file in total.

3 : current folder name (such as: I:\DCIM\100MEDIA

I: is the movable disk of the device).

4 : Means that clicking can select files frontwards.

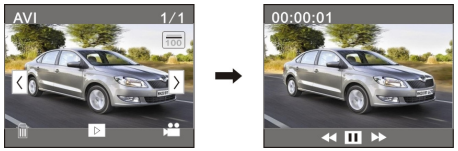
5 : Means that clicking can select files backwards.

6 : Means that clicking can activate to confirm the deletion of the current file picture.

7 : Means that clicking can play the current movie clips.

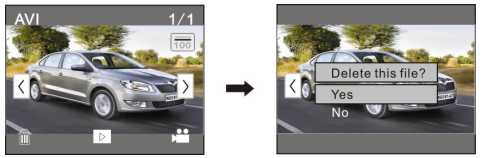
8 : Means that clicking can switch back the previous photo mode (video mode).

9.2 Movie clips playing:



Click to pause playing, click to play quickly, and click to play slowly.

9.3 File deletion:



Click YES to delete the current file immediately, or click NO to cancel the deletion operation.

Apply on the personal computer

1. Connect to personal computer

   The camera is provided with the plug and play function. Connect the device to the computer with USB line under turning-on state, then it will be switched into the movable hard disk mode.

   Icon of movable disk will appear on the window of “my computer”. Photos/videos you have taken are saved in folder I:\DCIM\100MEDIA (I is the movable disk of this device) in the movable disk. Files recorded in vehicle-mounted mode are saved in I:\DCIM\RECORDER.

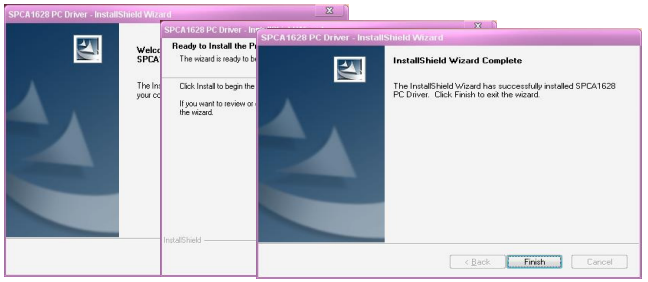
   Note: if movable disk function is used in windows 2000 or windows operating system with a higher edition, it is unnecessary to install drivers.

2. PC Cam Function

The default mode is Removable Disk when connected to the Computer, press shutter button to switch to the PC Cam mode (the display will show “PC CAM” marks).
Install the PC Cam driver before switching to PC Cam model as following steps:

Put the CD Driver into the CD-ROM of the computer, Click “My computer” and then open F disk space, unzip “Driver.rar” to the computer, and click driver.exe to install the driver as

following graphic


SPCA1628 PC Driver - InstallShield Wizard
InstallShield Wizard Complete
The InstallShield Wizard has successfully installed SPCA1628 PC Driver. Click Finish to exit the wizard.
< Back
Finish
Cancel

After installed, click start-program- “SPCA1628 PC Driver’’ in the program menu, Click Amcap shortcut icon, then enter into AMCAP window as following graphic

Technical parameters

Image sensor	1.3 million pixel (CMOS)	
Function mode	videoing, taking photos, vehicle-mounted mode, movable disk, PC cam	
Camera lens	F3.1 f=9.3mm	
Digital zooming	4 times	
Shutter	Electronic shutter	
LCD display screen	2.0-inch touch screen	
Image resolution	5M (2592×1944), 3M (2048×1536), 1M(1280×1024)	
Video resolution	VGA: 640x480 (60 frames/second), 720P:1280x720 (30 frames/second)	
White balance	Automatic	
Exposure	Automatic	
File formats	Image	JPEG
	Video	AVI
Storage medium	TF card (Supporting up to 32GB), (without build-in flash memory)	
USB interface	High-speed USB 2.0 interface	
Power Supply	Built-in 3.7V rechargeable lithium	

Dimension (length × width × height)	67*48*29mm
Weight	about 46.5 grams

End of life

This symbol indicates that the relevant electrical product or battery should not be disposed of as general household waste in Europe. To ensure the correct waste treatment of the product and battery, please dispose them in accordance to any applicable local laws of requirement for disposal of electrical equipment or batteries. In so doing, you will help to conserve natural resources and improve standards of environmental protection in treatment and disposal of electrical waste (Waste Electrical and Electronic Equipment Directive).

Service and support
For information: www.lenco.com
For support: http://lencosupport.zendesk.com

Lenco helpdesk:
Germany 0900-1520530 (Local charges)

The Netherlands	0900-23553626	(Local charges + 1ct p/min)
Belgium	02-6200115	(Local charges)
France	03-81484280	(Local charges)

The helpdesk is accessible from Monday till Friday from 9 AM till 6 PM.
When contacting Lenco, you will always be asked for the model and serial number of your product. The serial number can be found on the back of the device. Please write down the serial number below:

Model: Sportcam-100
Serial number:_____

Lenco offers service and warranty in accordance to European law, which means that in case of repairs (both during and after the warranty period) you should contact your local dealer.

Important note: It is not possible to send products that need repairs to Lenco directly.

Important note: If this unit is opened or accessed by a non-official service center in any way, the warranty expires.

This device is not suitable for professional use. In case of professional use, all warranty

obligations of the manufacturer will be voided.

Important note: If the unit is opened by a non-official service center the warranty expires.

Declaration of Conformity

CE Products with the CE marking comply with the EMC Directive (2004/108/EC) and the Low Voltage Directive (2006/95/EC) issued by the Commission of the European Community.

The declaration of conformity may be consulted at
http://www.stl.nl/supportfiles/ices/CE/nvn76893hjahfyens.pdf